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Application Number	10/694,032
Filing Date	October 27, 2003
First Named Inventor	Hughett
Art Unit	3763
Examiner Name	unknown
Attorney Docket Number	0341-0003.14

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FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>5</sup>
		Country Code <sup>3</sup> "Number" <sup>4</sup> "Kind Code" <sup>5</sup> (if known)				
LS	3	EP 0 672 401	09-20-1995	Eshel		

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Considered

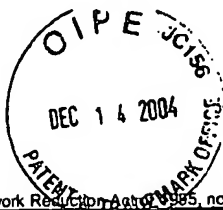
01/21/2007

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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

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**Complete if Known**

Application Number	10/694,032
Filing Date	October 27, 2003
First Named Inventor	Hughett, et al.
Art Unit	
Examiner Name	
Attorney Docket Number	0341-0003.14

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of 1

**U. S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
LS ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓		US- 4,806,182	02-21-1989	Rydell, et al.	
		US- 4,976,720	12-11-1990	Machold, et al.	
		US- 5,624,392	04-29-1997	Saab	
		US- 5,947,977	09-07-1999	Slepian, et al.	
		US- 6,234,995	05-22-2001	Peacock	
		US- 6,283,921	09-04-2001	Nix, et al.	
		US- 6,540,734	04-01-2003	Chiu, et al.	
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**FOREIGN PATENT DOCUMENTS**

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		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				

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Sheet 1

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First Named Inventor	J. David Hughett
Art Unit	3763
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Attorney Docket Number	0341-0003.14

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		Number-Kind Code <sup>2</sup> (if known)			
LS	1	US- 4,904,245	02-27-1990	Chen et al.	
	2	US- 5,246,016	09-21-1993	Lieber et al.	
	3	US- 5,345,936	09-13-1994	Pomeranz et al.	
	4	US- 5,383,853	01-24-1995	Jung et al.	
	5	US- 5,417,653	05-23-1995	Sahota et al.	
	6	US- 5,514,092	05-07-1996	Forman et al.	
	7	US- 5,540,659	07-30-1996	Teirstein	
	8	US- 5,649,909	07-22-1997	Cornelius	
	9	US- 6,179,810	01-30-2001	Wantink et al.	
	10	US- US2001/0016724	08-23-2001	Davis et al.	
	11	US- 6,398,708	06-04-2002	Hastings et al.	
	12	US- 6,413,203	07-02-2002	Sahatjian	
	13	US- 6,607,477	08-19-2003	Longton et al.	
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OTHER PRIOR ART - NON-PATENT LITERATURE DOCUMENTS  
(Including Author, Title, Date, Pertinent Pages)

~~International Search Report re Application No. PCT/US99/30000, dated May 21, 2000.~~ →

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